

THE
SECOND ANNUAL CATALOGUE
OF THE
OFFICERS AND STUDENTS
OF THE
Kansas State Agricultural College,
FOR
1864—5.

MANHATTAN, RILEY COUNTY, KANSAS.

MANHATTAN:
J. H. PILLSBURY, PRINTER.
1865.

BOARD OF REGENTS.

Gov. S. J. CRAWFORD, President of the Board.

Hon. R. A. BARKER, Vice President.

Hon. T. H. BAKER, Secretary.

JUDGE JOHN PIPHER, Treasurer.

Rev. E. GALE,

Hon. W. F. WOODWORTH,

JUDGE L. D. BAILEY,

Hon. S. D. HOUSTON,

Rev. D. EARHEART,

Rev. J. G. REASER,

Rev. R. CORDLEY,

Rev. J. DENISON, President of the College,

Hon. I. T. GOODNOW, Supt. of Pub. Instruction.

EX OFFICIO MEMBERS OF THE BOARD.

Gov. S. J. CRAWFORD,

Hon. R. A. BARKER,

Hon. I. T. GOODNOW,

Rev. J. DENISON.

VISITORS.

REV. GEO. A. BECKWITH,

REV. CHAS. REYNOLDS,

REV. N. B. WHITE,

GEN. J. M. HARVEY.

FACULTY.

REV. JOSEPH DENISON, M. A.,

President of the College, Professor of Ancient Languages and
Mental and Moral Science.

J. G. SCHNEBLY, M. A.,

Professor of Natural History and Lecturer on Agricultural
Chemistry.

REV. N. O. PRESTON, M. A.,

Professor of Mathematics and English Literature.

J. EVARTS PLATT,

Professor of Vocal Music and Principal of the Preparatory
Department.

DR. C. HUBSCHMAN,

Professor of Instrumental Music.

STUDENTS
PREPARATORY COURSE.

Names.	Residence.
<i>Allen, Abbie B.</i>	Riley County.
<i>Ayers, Milan C.</i>	Manhattan.
<i>Ayers, Lyrus</i>	"
<i>Appleby, Adelbert D.</i>	West Salem, Wisconsin
<i>Barrick, Temperance C.</i>	St. George.
<i>Barrick, John A.</i>	"
<i>Beal, William</i>	Manhattan.
<i>Beebe, Charles</i>	"
<i>Blake, Melinda J.</i>	Pardee.
<i>Beach, William K.</i>	Mission Creek.
<i>Baxter, Frederick</i>	Council Grove.
<i>Bisbee, Emma E.</i>	Wabaunsee.
<i>Brous, Harry A.</i>	Bluemont.
<i>Cox, Susan</i>	Topeka.
<i>Crowder, George W.</i>	Manhattan.
<i>Demison, George</i>	"
<i>Dennis, Ella N.</i>	"
<i>Dodds, Hiram G.</i>	Ft. Larned.

<i>Evans, Charles</i>	Manhattan.
<i>Flagg, John</i>	"
<i>Gifford, Edward</i>	Madison Creek.
<i>Gifford, John</i>	"
<i>Gifford, Frederick</i>	"
<i>Gillaspie, Armilda</i>	St. George.
<i>Gillaspie, Maria</i>	"
<i>Greene, Mary E.</i>	Blue Bottom.
<i>Greene, Thomas</i>	"
<i>Hardy, Mary J.</i>	Riley Co.
<i>Hardy, William P.</i>	"
<i>Hall, Alexander</i>	"
<i>Herron, Jacob</i>	Lecompton.
<i>Hibbard, Russell</i>	Manhattan.
<i>Hoyt, Charles C.</i>	"
<i>Himes, Daniel Francis</i>	Riley Co.
<i>Himes, Anna P.</i>	"
<i>Jarboe, Robert</i>	"
<i>Jones, Henry B.</i>	Indianola.
<i>Kimball, Edgar</i>	Blue Mont.
<i>Kimball, Ella M.</i>	"
<i>Kimball, Carrie B.</i>	"
<i>Kimble, Francis B.</i>	"
<i>Kimble, Samuel</i>	"
<i>King, Emily</i>	Pleasant Run.
<i>Knox, Manasseh</i>	Vermillion.
<i>Lea, William H.</i>	Riley Co.
<i>Lovell, Edith L.</i>	Marysville.
<i>Maltby, Hiram</i>	Riley Co.
<i>Mather, Harriet E.</i>	Council Grove.
<i>Mails, Jeffrey</i>	Manhattan.

<i>Miller, Lizzie</i>	Manhattan.
<i>Markle, Louisa M.</i>	"
<i>McCaulou, Huldah M.</i>	"
<i>Moody, Cornelia</i>	Rock Creek.
<i>Morgan, Henry</i>	Irving.
<i>Morgan, Lilla</i>	
<i>Parkinson, James</i>	Manhattan.
<i>Parkinson, Harriet</i>	"
<i>Parrish, Lamoile L.</i>	Clay Co.
<i>Points, Margaret</i>	Vermillion.
<i>Pierce, Lorenzo D.</i>	Pottowattomie Co.
<i>Pierce, Emma D.</i>	Blue Mont.
<i>Pierce, Edward M.</i>	"
<i>Powers, Timothy W.</i>	Manhattan.
<i>Powers, Pomeroy</i>	"
<i>Remington, Minerva</i>	Riley Co.
<i>Remington, Emily</i>	"
<i>Remington, Howard</i>	"
<i>Rose, Jenette A.</i>	Wabaunsee.
<i>Russell, James</i>	Riley Co.
<i>Russell, Mac</i>	"
<i>Samuels, Isaac</i>	Marysville.
<i>Sanford, Albert H.</i>	Blue Bottom.
<i>Sanford, Antonette</i>	" "
<i>Standcliffe, Eliza S.</i>	Irving.
<i>Smith, Monnie</i>	Wabaunsee.
<i>Tarbell, George E.</i>	Appleton, Wis
<i>Tennant, Margaret</i>	Manhattan.
<i>Todd, Albert</i>	Riley Co.
<i>Towner, William E.</i>	Blue Bottom.
<i>White, Sarah A. B.</i>	Manhattan.

<i>White, Adoniram J.</i>	Manhattan.
<i>White, William Ferrell</i>	"
<i>Williston, Charles</i>	"
<i>Williston, Wendell</i>	"
<i>Winne, Ernest</i>	Riley Co.
<i>Wisner, Lydia E.</i>	Blue Bottom.
<i>Wood, Mary E.</i>	St. George.
<i>Wood, David</i>	Council Grove.
<i>Wood, William H.</i>	" "
<i>Young, Charles</i>	Olathe.

STUDENTS
COLLEGE COURSE, (JUNIOR CLASS.)

Names.	Residence.
<i>Denison, Henry L.</i>	Manhattan.
SOPHOMORE.	
<i>Allen, Mary B.</i>	Topeka.
<i>Blake, George O.</i>	Pardee.
<i>Denison, Ellen F.</i>	Manhattan.
<i>Huntress, Charles O.</i>	Clay Centre.
<i>Haines, Belle M.</i>	Zeandale.
<i>Haines, Laura Emma</i>	"
<i>Points, John J.</i>	Vermillion.
<i>White, Martha A.</i>	Manhattan.
FRESHMEN.	
<i>Bliss, Levi L.</i>	Topeka.
<i>Denison, Emma Jane</i>	Manhattan.
<i>Haulenbeck, Mary E.</i>	"
<i>Houston, Mary Luella</i>	Blue Mont.
<i>Houston, Dexter S.</i>	" "
<i>Haines, Anna M.</i>	Zeandale.
<i>Haines, Theophania M.</i>	"
<i>Kimble, Richard L.</i>	Manhattan.

<i>Maltby, John</i>	Riley Co.
<i>Mayer, Charles</i>	Ft. Riley.
<i>Morgan, Anna C.</i>	Irving.
<i>Nichols, Henry W.</i>	Topeka.
<i>Straub, Mary E.</i>	Manhattan.
<i>Weybright, J. C.</i>	Baldwin City.

COURSE OF STUDY.

AGRICULTURAL COURSE.

Preparatory Year.

<i>First Term.</i>	{ McClintock's First Book in Latin. English Grammar. (Kerl's.) Arithmetic, (Robinson's.) Modern Geography.
<i>Second Term.</i>	{ McClintock's First Book in Latin. Kerl's English Grammar. Robinson's Arithmetic. Robinson's Elementary Algebra.
<i>Third Term.</i>	{ McClintock's First Book in Latin. Robinson's Elementary Algebra. McHill's Ancient Geography. Brockelsby's Meteorology.

Second Year.

<i>First Term.</i>	{ McClintock's Second Book in Latin. Robinson's New University Algebra. Physical Geography. Orchard and Fruit Garden. (Findly.) Lectures on Physiology and Laws of Health.
<i>Second Term.</i>	{ Well's Organic and Inorganic Chemistry. Agassiz's Zoology. Robinson's New University Algebra. Thomas' Fruit Culture.
<i>Third Term.</i>	{ Dana's Minerology. Well's Philosophy. Robinson's Cosmometry. Jewett & Martin's Treatise on Cattle.

Third Year.

<i>First Term.</i>	{	Hitchcock's Geology.
		Rhetoric.
		Robinson's Plain and Spherical Trigonometry.
		Jewett's Treatise on the Horse.
<i>Second Term.</i>	{	Stephen's Book of the Farm.
		Robinson's Surveying and Navigation.
		Chemical Analysis.
		Allen's Diseases of Domestic Animals.
<i>Third Term.</i>	{	Agricultural Chemistry.
		Gillespie's Road Surveying.
		Analysis of the Soil.
		Flow pipe exercises.
		Gray's Botany.

CLASSICAL COURSE.

Preparatory Year.

<i>First Term.</i>	{	McClintock's First Book in Latin.
		English Grammar, (Kerl's.)
		Robinson's Arithmetic.
		Geography Modern.
<i>Second Term.</i>	{	McClintock's First Book in Latin.
		Grammar Finished, (Kerl's.)
		Robinson's Arithmetic.
		Elementary Algebra.
<i>Third Term.</i>	{	McClintock's First Book Finished.
		Robinson's Elementary Algebra.
		Ancient Geography.
		Meteorology, Lectures.
		Daily exercises in Elocution and Vocal Music and Weekly exercises in Composition and Elocution and Calisthenics.

First Year.

(FRESHMEN.)

First Term.	{	McClintock's Second Book in Latin.
	{	McClintock's First Book in Greek.
	{	Physical Geography.
	{	Lectures on Physiology and Laws of Health.
Second Term.	{	McClintock's Second Book Latin.
	{	Robinson's Algebra.
	{	McClintock's First Book in Greek.
	{	Lectures on Chemistry.
Third Term.	{	Anthon's Cæsar.
	{	Anthon's Anabasis.
	{	Robinson's New Geometry.
	{	Lectures on Philosophy.

Second Year.

(SOPHOMORE.)

First Term.	{	Cicero's Orations, (Anthon.)
	{	Anthon's Anabasis.
	{	Robinson's Plane & Spherical Trigonometry.
	{	Geology, Hitchcock's—Lectures.
Second Term.	{	Cicero's Orations. (Anthon.)
	{	Anabasis, (Anthon.)
	{	Surveying and Navigation.
	{	Well's Chemistry, Lectures on Agricultural Chemistry.
Third Term.	{	Virgil's Æneid, (Anthon.)
	{	Æschines de Coronâ.
	{	Robinson's Surveying and Navigation.
	{	Botany,—Lectures.

Third Year.

(JUNIOR.)

First Term.	{	Sallust.
	{	Harkness' Latin Grammar.
	{	Homer's Iliad.
	{	Moral Science. (Haven's.)
	{	Robinson's Conic Sections.
Second Term.	{	Anthon's Horace.
	{	Hadley's Greek Grammar.
	{	Anthon's Odyssey.
	{	Agricultural Chemistry Lectures.
	{	Analytical Geometry.
Third Term.	{	Coppee's Logic.
	{	Hitchcock's Geology.
	{	Haven's Moral Science.
	{	Robinson's Analytical Geometry.

Fourth Year.

(SENIOR.)

First Term,	{	Coppee's Rhetoric.
	{	Haven's Mental Science.
	{	Robinson's Mechanics.
	{	Robinson's Astronomy.
Second Term.	{	Cousins' Psychology.
	{	Dana's Mineralogy.
	{	Zoology,—Agassiz.
	{	Fowler's English Language.
Third Term.	{	Butler's Analogy.
	{	Zoology.—Agassiz, Vol. 2.
	{	Evidences Christianity Hopkins.

REMARKS ON THE COURSE.

According to the Charter of the College, it embraces Four Departments, viz : The Department of Science and Literature ; The Department of Mechanic Arts ; The Department of Agriculture ; and of Military Tactics.

The Department of Science and Literature includes a regular Collegiate Course, and, at the present, a Preparatory School.

It is thought by the Faculty that the foregoing Course of Study will meet the demands of the greater part of the Students of the State.

It embraces an extensive Course in Natural Science, and Agricultural Chemistry, studies which relate immediately to the practical part of Farming, while the Course, in Mathematics and Ancient Languages, is as full as that laid down in the best of other Literary Institutions.

Especial care will be given to Logic and Rhetoric ; and also to Vocal Music, Composition and Declamation during the entire Course.

Commercial Course—Book-keeping, Bryant & Stratton's High School & Counting House edition and Commercial Law.

DEGREES.



The College has full power to confer those Degrees which the best Colleges usually give, and will confer the Degree of A. B., (Bachelor of Arts,) on those who complete the regular Collegiate Course, as laid down in the Catalogue.

ADMITTANCE.



Those will be admitted to the Preparatory Department who can pursue the studies laid down in it to advantage. Students who wish to go into advanced classes, must pass an examination in all the preceding studies in the Course, and none will be permitted to advance with any class who do not pass the regular examination at the close of each term.

TIME OF ENTERING COLLEGE.

Students wishing to take a regular course should present themselves at the commencement of the year, as a day or two lost at the beginning of the term will be the cause of embarrassment during the entire term, and perhaps, the year or course.

New classes are formed at the beginning of each term, and those who are not present to commence at that time, with the class, cannot fail to be more or less troubled in catching up with the class, so as to pursue the study to advantage.

It is a great advantage to each student to be present at the commencement of the year, and at the beginning of each subsequent term.

CALENDAR FOR 1865—6.

First term begins Sept. 7th, 1865, and continues 14 weeks. The second term commences immediately after the first closes; and continues 13 weeks. At the end of the second term there will be a vacation of one week, when the third term will begin, and continue until the 27th of June.

RELIGIOUS SERVICES.

Preaching every sabbath evening, at 4 o'clock, by some member of the Faculty, or a regular minister procured by the officers of the College.

LECTURES.

During each term, a course of Lectures will be given by the Faculty on subjects taught in the various Departments.

DEPORTMENT AND SCHOLARSHIP.

A Roll of Merit and Demerit will be kept in each recitation room, and the standing of each class faithfully made out at the close of every term and read publicly. This standing will be registered in the College Record, and opened to the inspection of parents and guardians of the students. A certificate of the standing, showing the Deportment and Scholarship of the Student will be sent to the parent or guardian when requested.

EXAMINATIONS.

The last two days of each term are occupied in examining the classes in all the Departments.

Candidates for admission to the advanced classes will be examined on the first day of each term. In Greek and Latin the examination will be conducted by President Denison; in Mathematics, by Professor Preston; in Natural History and Chemistry, by Professor Schnebly, and in the studies in the preparatory department, by Mr. Platt.

TUITION.

The expenses in the Literary Department are only \$3 per term. In the Musical Department, \$8 for the Melodeon, and \$10 for Piano. Expenses always in advance. \$1 for use of Melodeon—\$2 for use of Piano. For use of Library, 50 cents per term.

BOARDING.

Students can get boarding in the city, including light and wood, in private families, for from \$2.50 to \$3.00 per week. Those who prefer it, can rent rooms and board themselves much cheaper, perhaps at one-half the expense of boarding otherwise.

RULES.

No person shall become a member of the college unless he present to the Faculty satisfactory testimonials of good moral character; and if any applicant has been a member of any other College, a certificate of regular and honorable dismissal will be required of him.

All Students are required to observe the study hours prescribed by the Faculty.

All Students are required to perform faithfully the duties and exercises and to pursue the studies assigned them by the Faculty, and promptly to give appropriate reasons for tardiness to any of their duties, or absence from them.

All students are requested to give attendance to habits of cleanliness and to the civilities of good breeding in their intercourse with each other, and with society in general, they are required to observe dignified lady-like and gentlemanly deportment.

Any Student who is idle or vicious, or whose moral character is bad, or whose influence is decidedly detrimental, in the opinion of the College government, to the literary and moral interests of the College, may be reprimanded, suspended, dismissed, expelled, or otherwise punished, at the discretion of the Faculty.

All profane and indecent language, playing at games of chance, attending balls, injuring the property of the Institution or of the citizens, quarreling, fighting, or the carrying of firearms or other dangerous weapons, is strictly forbidden.

Any Student who, without just cause, shall fail to attend the examination, will be considered as under censure, and will not be allowed to advance with his classes without suitable amends.

Those who leave the College during Term time, without permission, will be liable to suspension or expulsion.

No Student will be permitted to leave any class without the consent of the Faculty.

No meeting of the Students can be held in the College for the transaction of any kind of business, unless by permission of the Faculty.

Any Student who shall injure or deface the building, in addition to such penalties as the Faculty shall see fit to inflict, will be subject to the expense occasioned by the necessary repairs.

Habitual indolence, inattention to study and attending balls in term time, will be regarded as an offense against the laws and the spirit of the Institution, and will be made the subject of such discipline as the Faculty deem expedient.

No Student shall be permitted to recite, unless the tuition and contingent fees shall have been paid.

All Students are required to attend meeting on the sabbath either at the Institution or at such place of worship as they or their parents or guardians may choose.

ENDOWMENT.

The Kansas State Agricultural College has an Endowment of (90,000) ninety thousand acres of land, obtained by act of Congress of July 2d, 1862, which granted to the loyal States for Educational purposes (30,000) thirty thousand acres of land for each Senator and Representative. This land has been located by a commission of faithful men, who have visited and inspected in person each quarter section, and every one selected is suitable to make a good farm. This being the case, its minimum value cannot be less than \$2.50 per acre, making the minimum value of the endowment \$225,000. But the land will very likely be worth from \$5 to \$6 per acre, and perhaps more, and then the value of the endowment would be from \$500,000 to \$800,000 instead of \$225,000.

By act of the State Legislature in addition to the act of Congress, only the interest of this fund can be used, and that only for the support of professors and teachers. Two hundred and twenty-five thousand dollars at five per cent would make an income of \$11,250 per annum. The State, then, may very properly assume and fix by legislative act the minimum value of this fund at \$225,000, and still secure to the fund the full amount for which the land shall actually sell.

Instead of making direct appropriations as has been done the past two years, the State may very properly issue bonds from year to year in a sum sufficient to meet current expenses. \$4000 per annum would be sufficient for the present. Then when the land shall be sold and the full amount of interest drawn from the fund only one half or two thirds of it will then be needed to pay the then current expenses. The other portion can be used from year to year to redeem the bonds and to repay the amount loaned.

This plan if adopted will relieve the State from any additional burden of taxation, and give the present generation of the youth of Kansas the benefit of the endowment fund and no generation of youth can

more really merit a claim to the benefit of this fund than those who with their parents have these eight or ten years been enduring the hardships of pioneer life on the frontier.



LOCATION.

The College is located in the Kansas valley, near Manhattan, Riley County. It is about 100 miles west of Leavenworth, and about the same distance from Wyandotte at the mouth of the Kansas river. Its distance west from Lawrence is 80 miles, and from Topeka about 50, and it is 15 miles northeast from Ft. Riley. It stands on a beautiful eminence back of the town, running northeast and southwest. From the base of the building, but especially from its top, is a panoramic view seldom surpassed for beauty and loveliness. The beholder, facing the west, will see the valley of the Wild Cat Creek, running up to the northwest some 15 miles and skirted with undulating bluffs. Facing the east, the lovely scene that opens to view, is made up of the thriving town of Manhattan, spread out at the Junction of the Big Blue and the Kansas rivers, and the valley of the Kansas extending far on below with its majestic bluffs and intervening creeks. His field of view at the left takes in a part of the valley of the Big Blue, but the conspicuous figure in front is Blue Mont, the parent of the bluffs that line the valleys of the Big Blue, and the last one the river passes ere it unites with the Kansas. A straight edge, sixty miles long, with one end laid on the top of this cone-shaped bluff and the other end on the top of the bluff nearly opposite Marysville in Marshall County, would be touched by a series of similar bluffs running the whole distance, the most of which are truncated, though on a few the tops still remain. The traveler down the valley of the Big Blue, as he gazes upon these cone-like bluffs rising on either side, and covered with the verdure of spring and feels the impression made upon him by the curved lines that bound them, blending with the hues and tints of light and shade that rise around their sides, can scarcely fail to cry out for very joy from the emotion of beauty they awaken.

BUILDING.

The building is of beautiful grey limestone, which lies in great abundance, conveniently packed in the brow of the bluffs, in this region, and cannot be surpassed as a material for building or fencing. It is sixty feet in length by forty-four in width, and three stories high, surmounted by a beautiful cupola, in which is an excellent bell, donated by Joseph Ingalls, of Swampscott Massachusetts. The third story is occupied as a chapel, capable of seating four or five hundred, and now supplied with excellent chairs for the audience, a superior organ and table and desk for the speaker. On the second floor are four rooms—a music room, in which are a first class Piano and Melodeon; a reading room and two society or recitation rooms with hall and stairway. On the lower floor are the hall, the President's office, a large library room, an assembly or school room, and a large recreation room. The Library already has near 3000 vols. and is constantly increasing.

APPARATUS.

A large Air Pump, a first class Electrical Machine, one Spirit Lamp, two dozen Test Tubes and stand, two wide mouthed stopper glass Jars, two tall plain cylindrical Air-Jars, a Gas Bag, provided with stop-cock and bubble pipe, a set of small Porcelain Basins, glass Tubing and small glass Rods for Stillers, two small Glass Funnels, a Mortar and Pestle, Platinum, Foil and Wire, a set of cork Borers, a steel Spatula, a set of earthen Crucibles, a pair of Gasometers for Oxygen and Hydrogen.

Arrangements are being carried forward to complete the fence around the eighty acres, including the college square. (The work is already under way.) Such experiments will be made as shall test the best method of cultivating the soil in this prairie country; also to plant and raise a belt of timber of various kinds of trees, at least two rods wide, around the inside of the eastern half of the eighty acres; to raise a hedge of osage orange, to enclose at least the two sides of the college square not enclosed with stone fence; to commence a nursery of five acres, to be increased to fifteen acres; also a test orchard for the best kinds of fruit, of five to seven acres. The vine culture, horticulture and floriculture will receive a due share of attention.

A daily stage, carrying a daily mail, passes to and through Manhattan to Junction City.

The cars of the Union Pacific Rail Road, Eastern Division, already run to Lawrence; in a few months they will run to Topeka, and by next season to this place.

The soil of the valley of the Kansas and its tributaries in richness and extent is sufficient to support millions of people. The supply of salt about seventy miles west of here is affirmed by able and candid judges to be inexhaustible, and better and purer than any in the country, outside of Kansas.

New motives then are presented to the emigrant seeking a home in the West. He can come by Rail Road to the frontier, and find at once first class Institutions of Learning, where he may commence or continue the education of his children.

The college chapel, now furnished with a superior Organ, a Table and Desk for the speaker, and the best of chairs for the audience, is believed to be one of the best Lecture Rooms in the State.

Additional improvements are contemplated for the building the present year, viz., blinds for the windows, to protect the glass from hail &c., combination desk and seat of latest and best pattern with ink wells &c., or at least one hundred students. Also tables or desks for each of the Professors' Rooms. Additional shelves for the Library and a case of Shelves &c. for a cabinet of curiosities, minerals, geological specimens, &c., &c.